

RECEIVED
CENTRAL FAX CENTER
AUG 07 2009

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

AMENDMENT IN THE CLAIMS

1 - 15 (previously canceled).

16 - 20 (previously canceled).

21 - 24 (previously canceled).

25 - 27 (previously canceled).

28-33 (canceled)

34. (new) A core network, comprising:

a hybrid mobile switching center (HMSC) coupled between a first radio access network (RAN) configured in accordance with a first wireless technology and a second RAN configured in accordance with a second wireless technology incompatible with the first wireless technology, wherein the HMSC includes a message converter configured for converting information compatible with the first or second wireless technology into information compatible with the other wireless technology and wherein converting said information includes receiving a first message based on the first wireless technology, inserting the first message into a second message compatible the second wireless technology, receiving a third message based on the second wireless technology, extracting a fourth message compatible with the first wireless technology from the third message, and converting the third message into a fifth message compatible with the first wireless technology if the third message does not contain the fourth message.

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

35. (new) The core network of claim 34 wherein:

messages compatible with the first wireless technology are configured in accordance with a first communications protocol; and
messages compatible with the second wireless technology are configured in accordance with a second communications protocol different than the first communications protocol.

36. (new) The core network of claim 35 wherein a native communications protocol of the core network is the first communications protocol.

37. (new) The core network of claim 36 wherein:

the first communications protocol is a Global System for Mobile communications (GSM) protocol;
the second communications protocol is a code division multiple access (CDMA) protocol.

38. (new) The core network of claim 36 wherein:

the second protocol is a Global System for Mobile communications (GSM) protocol; and
the first protocol is a code division multiple access (CDMA) protocol.

39. (new) A hybrid mobile switching center, comprising:

an interface arrangement configured for enabling a plurality of radio access networks (RANs) to be coupled thereto, wherein a first one of said RANs is configured in accordance with a first wireless technology and a

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

second one of said RANs is configured in accordance with a second wireless technology incompatible with the first wireless technology; and a message converter configured for converting information compatible with the first or second wireless technology into information compatible with the other wireless technology;
a call controller; and
a mobility manager coupled between the message converter and the call controller.

40. (new) The hybrid mobile switching center of claim 39 wherein converting said information includes:

receiving a first message based on the first wireless technology;
inserting the first message into a second message compatible the second wireless technology;
receiving a third message based on the second wireless technology;
extracting a fourth message compatible with the first wireless technology from the third message; and
converting the third message into a fifth message compatible with the first wireless technology if the third message does not contain the fourth message.

41. (new) The hybrid mobile switching center of claim 40 wherein:

messages compatible with the first wireless technology are configured in accordance with a first communications protocol; and
messages compatible with the second wireless technology are configured in accordance with a second communications protocol different than the first communications protocol.

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

42. (new) The hybrid mobile switching center of claim 41 wherein:
the first communications protocol is a Global System for Mobile communications (GSM) protocol;
the second communications protocol is a code division multiple access (CDMA) protocol.
43. (new) The hybrid mobile switching center of claim 42 wherein a native communications protocol of the core network is the GSM protocol.
44. (new) The hybrid mobile switching center of claim 41 wherein:
the second protocol is a Global System for Mobile communications (GSM) protocol; and
the first protocol is a code division multiple access (CDMA) protocol.
45. (new) The hybrid mobile switching center of claim 44 wherein a native communications protocol of the core network is the CDMA protocol.
46. (new) The hybrid mobile switching center of claim 39 wherein:
the message converter is accessible to the call controller and a portion of a base station of one of said RANs;
the message converter is configured in accordance with the first wireless;
and
the message converter is configured for linking, via the second one of said RAN's, a mobile device configured in accordance with the second wireless technology with at least one of the mobility manager and the call controller.

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

47. (new) The hybrid mobile switching center of claim 46 wherein the mobility manager is configured for accessing mobile user information from a local database.

48. (new) A hybrid mobile switching center, comprising:

- an interface arrangement configured for enabling a plurality of radio access networks (RANs) to be coupled thereto, wherein a first one of said RANs is configured in accordance with a first wireless technology and a second one of said RANs is configured in accordance with a second wireless technology incompatible with the first wireless technology; and a call controller;

- a message converter configured for converting information compatible with the first or second wireless technology into information compatible with the other wireless technology, wherein the message converter is configured in accordance with the first wireless technology and the message converter is accessible to the call controller and a portion of a base station of one of said RANs; and

- a mobility manager coupled between the message converter and the call controller, wherein the mobility manager is configured for accessing mobile user information from a local database;

wherein the message converter is configured for linking, via the second one of said RAN's, a mobile device configured in accordance with the second wireless technology with at least one of the mobility manager and the call controller.

49. (new) The hybrid mobile switching center of claim 48 wherein converting said information includes:

- receiving a first message based on the first wireless technology;

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

inserting the first message into a second message compatible the second wireless technology;
receiving a third message based on the second wireless technology;
extracting a fourth message compatible with the first wireless technology from the third message; and
converting the third message into a fifth message compatible with the first wireless technology if the third message does not contain the fourth message.

50. (new) The hybrid mobile switching center of claim 49 wherein:

messages compatible with the first wireless technology are configured in accordance with a first communications protocol; and
messages compatible with the second wireless technology are configured in accordance with a second communications protocol different than the first communications protocol.

51. (new) The hybrid mobile switching center of claim 50 wherein a native communications protocol of the core network is the a communications protocol is the first communications protocol.

52. (new) The hybrid mobile switching center of claim 51 wherein:

the first communications protocol is a Global System for Mobile communications (GSM) protocol;
the second communications protocol is a code division multiple access (CDMA) protocol.

53. (new) The hybrid mobile switching center of claim 51 wherein:

Serial No. 10/521,125
Examiner: Olumide T. Ajibade Akonai

the second protocol is a Global System for Mobile communications (GSM)
protocol; and
the first protocol is a code division multiple access (CDMA) protocol.